

01-04-2002

Atty. Docket No.: 0054-0238P

Page 1 of 1



101934510

R SHEET

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): KIMURA, Tomohiro UENO, Ikuro YOSHIDA, Masayuki</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	<p>2. Name and address of receiving party(ies) Name: Mitsubishi Denki Kabushiki Kaisha Internal Address: Street Address: 2-3, Marunouchi 2-chome, Chiyoda-ku City: Tokyo State: ZIP: Country: Japan Postal Code: 100-8310</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>
<p>3. Nature of conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other: Correction of second assignor's name</p> <p>Execution Date: July 24, 2001</p>	
<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No(s). 09/922,853</p> <p>B. Patent No.(s).</p> <p>Additional numbers attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Street Address: P.O. BOX 747 City: FALLS CHURCH State: VA ZIP: 22040-0747 Country: USA</p>	<p>6. Total No. of applications/patents involved: One (1)</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account, if no fee attached.</p> <p>8. Deposit account number: 02-2448</p> <p>(Attach triplicate copy of this page if paying by deposit account)</p>
<p>01/03/2002 RANMED1 00000082 09922853 01 FC:581 40.00 0P</p> <p style="text-align: center;">DO NOT USE THIS SPACE</p>	
<p>9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i></p> <p><u>Michael K. Mutter, #29,680</u> <u></u> _____ Name of Person Signing/Reg. No. Signature Date</p>	
<p>Total number of pages including cover sheet, attachments, and document: Seven (7)</p>	

MKM/pw
(Rev. 10/31/01)

PATENT
REEL: 012414 FRAME: 0868

08-14-2001



101812387

COVER SHEET

J1036 U.S. PTO
09/922853

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

of conveying party(ies):

1. Name
I, Tomohiro
KIMURA, Masayuki
UNEC
YC

08/07/01

2. Name and address of receiving party(ies)

Name: MITSUBISHI DENKI KABUSHIKI KAISHA
Internal Address:
Street Address: 2-3, Marunouchi 2-chome, Chiyoda-ku
City: Tokyo State: ZIP:
Country: JAPAN Postal Code: 100-8310

Additional name(s) of conveying party(ies) attached?
 YES NO

Additional name(s) & address(es) attached? YES NO

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other:

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B. Patent No.(s).

New
09/922853

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Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP
Street Address: P.O. BOX 747
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John A. Castellano, #35,094
Name of Person Signing/Reg. No.

Signature

August 7, 2001
Date

Total number of pages including cover sheet, attachments, and document: Two (2)

08/07/2001 DTESSEM1 00000020 09922853

01 FC:581

40.00 DP

JAC/nv

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, _____
Tomohiro KIMURA, Ikuro UENO and Masayuki YOSHIDA

hereby sells, assigns and transfers to

MITSUBISHI DENKI KABUSHIKI KAISHA
of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled DATA ENCODING METHOD, DATA ENCODING APPARATUS, DATA DECODING METHOD, AND DATA DECODING APPARATUS which was executed by the undersigned on the dates indicated below or was filed on August 7, 2001 and accorded Serial No. _____ (hereinafter called the Application);
- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

INVENTOR(S):

(Tomohiro KIMURA)

Tomohiro Kimura

(Ikuro UENO)

Ikuro Ueno

(Masayuki YOSHIDA)

Masayuki Yoshida

DATE

July 24, 2001

July 24, 2001

July 24, 2001

PATENT